

## Refine Search

### Search Results -

Terms	Documents
L8 not boehringer	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
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 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L9





### Search History

DATE: Sunday, September 17, 2006   
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**Set Name Query**  
 side by side

**Hit Count Set Name**  
 result set

*DB=USPT; PLUR=YES; OP=AND*

<u>L1</u>	6890517.pn.	1	<u>L1</u>
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*DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=AND*

<u>L2</u>	tiotropium	960	<u>L2</u>
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<u>L3</u>	L2 (solvent or aqueous or ethanol)	755	<u>L3</u>
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<u>L4</u>	L3 acid	715	<u>L4</u>
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<u>L5</u>	L4 bromide	652	<u>L5</u>
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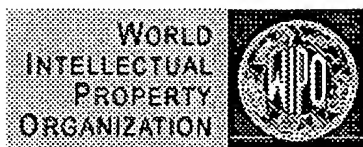
<u>L6</u>	L5 nebulizer	333	<u>L6</u>
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<u>L7</u>	L6 preservative	245	<u>L7</u>
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<u>L8</u>	L7 "tiotropium bromide monohydrate"	49	<u>L8</u>
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<u>L9</u>	L8 not boehringer	1	<u>L9</u>
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END OF SEARCH HISTORY



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### Results of searching in PCT for:

**tiotropium and acid:** 3 records

Showing records 1 to 3 of 3 :

[\[Search Summary\]](#)

Refine Search

tiotropium and acid



Score	Title	Pub. Date	Int. Class	Applicant
1. (100)	<u>(WO 2004/054580) TIOTROPIUM CONTAINING HFC SOLUTION FORMULATIONS</u>	01.07.2004	A61K 31/46	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG

This invention relates to **tiotropium** containing stable pharmaceutical solution formulations suitable for aerosol administration. More particularly, this invention relates to **tiotropium** containing stable pharmaceutical solution formulations suitable for aerosol administration wherein either an inorganic **acid** or an organic **acid** is added to the aerosol solution formulation which contains a **tiotropium** salt, preferably **tiotropium** bromide in solution with an environmentally safe hydrofluorocarbon (HFC) as a propellant, together with an organic compound as a cosolvent. The **acid** provides stability against degradation or decomposition of the medicament resulting largely from interaction of the medicament with the cosolvent and/or water present in th...

2. (000)	<u>(WO 2000/047200) COMBINATIONS OF FORMOTEROL AND A TIOTROPIUM SALT</u>	17.08.2000	A61K 9/00	NOVARTIS AG
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A medicament containing, separately or together, (A) formoterol or a pharmaceutically acceptable salt thereof or a solvate of formoterol or said salt and (B) a **tiotropium** salt of a pharmaceutically acceptable **acid**, for simultaneous, sequential or separate administration in the treatment of an inflammatory or obstructive airways disease.

3. (000)	<u>(WO 2004/050093) TIOTROPIUM-CONTAINING MEDICAMENT COMBINATIONS USED FOR INHALING</u>	17.06.2004	A61K 31/46	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG
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The invention relates to novel medicaments used for inhaling, comprising one or several, preferably one, **tiotropium** salt in combination with one or several pharmaceutically acceptable **acid** addition salts of a compound of formula 2', wherein radicals  $R^1$ ,  $R^2$ ,  $R^3$ , and  $R^4$  can have the meanings indicated in the description and in the claims. Also disclosed are methods for the production thereof and the use thereof in the therapy of respiratory diseases.

### Search Summary



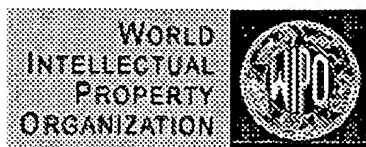
**tiotropium:** 185 occurrences in 45 records.

**acid:** 137634 occurrences in 64728 records.

(tiotropium AND acid): 3 records.

Search Time: 0.06 seconds.





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Results of searching in PCT for:  
tiotropium and bromide: 9 records  
Showing records 1 to 9 of 9 :

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Refine Search

tiotropium and bromide



Score	Title	Pub. Date	Int. Class	Applicant
1. (100)	<u>(WO 2004/054580) TIOtropium CONTAINING HFC SOLUTION FORMULATIONS</u>	01.07.2004	A61K 31/46	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG

This invention relates to **tiotropium** containing stable pharmaceutical solution formulations suitable for aerosol administration. More particularly, this invention relates to **tiotropium** containing stable pharmaceutical solution formulations suitable for aerosol administration wherein either an inorganic acid or an organic acid is added to the aerosol solution formulation which contains a **tiotropium** salt, preferably **tiotropium bromide** in solution with an environmentally safe hydrofluorocarbon (HFC) as a propellant, together with an organic compound as a cosolvent. The acid provides stability against degradation or decomposition of the medicament resulting largely from interaction of the medicament with the cosolvent and/or water present in th...

2. (062)	<u>(WO 2002/036104) INHALATIVE SOLUTION FORMULATION CONTAINING A TIOtropium SALT</u>	10.05.2002	A61K 31/439	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG
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The invention relates to a propellant-free inhalation formulation of **tiotropium bromide** or **tiotropium bromide** monohydrate, which is dissolved in water or in a mixture consisting of water and ethanol, and to propellant-free inhalable aerosols resulting therefrom.

3. (062)	<u>(WO 2002/036591) INHALATIVE SOLUTION FORMULATION CONTAINING A TIOtropium SALT</u>	10.05.2002	A61K 31/46	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG
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The invention relates to a propellant-free inhalation formulation of **tiotropium bromide** or **tiotropium bromide** monohydrate, which is dissolved in water or in a mixture consisting of water and ethanol, and to propellant-free inhalable aerosols resulting therefrom.

4. (049)	<u>(WO 2002/096422) COMBINATION OF A DOPAMINE D2-RECEPTOR AGONIST AND TIOtropium OR A DERIVATIVE THEREOF FOR TREATING OBSTRUCTIVE AIRWAYS</u>	05.12.2002	A61K 31/537	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG
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The present invention relates to a combination of therapeutic agents useful in the treatment of obstructive airways and other inflammatory diseases comprising (I) a dopamine D2-receptor agonist that is therapeutically effective in the treatment of said diseases when administered by inhalation; together with (II) an anti-cholinergic agent consisting of a member selected from the group consisting of **tiotropium** and derivatives thereof that is therapeutically effective in the treatment of said diseases when administered by inhalation; as well as to a method of treating treating said obstructive airways and other inflammatory diseases comprising administering to said mammal by inhalation a therapeutically effective amount of said combination of ...

5. (049)	<u>(WO 2002/096423) COMBINATION OF A PDE4 INHIBITOR AND TIOtropium OR DERIVATE THEREOF FOR TREATING OBSTRUCTIVE AIRWAYS</u>	05.12.2002	A61K 31/46	BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG
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The present invention relates to a combination of therapeutic agents useful in the treatment of obstructive airways and other inflammatory diseases comprising (I) a PDEIV inhibitor that is therapeutically effective in the treatment of said diseases when administered by inhalation; together with (II) an anti-cholinergic agent comprising a member selected

from the group consisting of **tiotropium** and derivatives thereof that is therapeutically effective in the treatment of said diseases when administered by inhalation; as well as to a method of treating said obstructive airways and other inflammatory diseases comprising administering to said mammal by inhalation a therapeutically effective amount of said combination of therapeutic agents; and a...

6. (049) (WO 2002/094273) COMBINATION OF AN ADENOSINE A2A-RECEPTOR AGONIST AND TIOTROPIUM OR A DERIVATIVE THEREOF FOR TREATING OBSTRUCTIVE AIRWAYS. 28.11.2002 A61K 31/52 BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG

A combination of therapeutic agents useful in the treatment of obstructive airways and other inflammatory diseases comprising (i) an adenosine A2 receptor agonist; and (ii) an anti-cholinergic agent, preferably comprising a member selected from the group consisting of **tiotropium** and derivatives thereof; the combination being therapeutically effective in the treatment of the diseases when administered by inhalation; as well as to a method of treating the obstructive airways and other inflammatory diseases comprising administering separately, simultaneously or sequentially to the mammal by inhalation a therapeutically effective amount of the combination of therapeutic agents; as well as to a pharmaceutical composition comprising a pharmaceuti...

7. (012) (WO 2002/051840) METHOD FOR PRODUCING THE ANTICHOLINERGIC AGENT TIOTROPIUM BROMIDE 04.07.2002 C07D 451/10 BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG

The invention relates to a novel method for producing (1\$g(a), 2\$g(b), 4\$g(b), 5\$g(a), 7\$g(b))-7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0<sup>2,4</sup>-i] nonane **bromide**.

8. (012) (WO 2003/078429) MICRONIZED CRYSTALLINE TIOTROPIUM BROMIDE 25.09.2003 A61K 31/40 BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG

The invention relates to a micronized crystalline (1alpha, 2beta, 4beta, 5alpha, 7beta)-7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0<sup>2,4</sup>]nonane **bromide**, methods for the production thereof, and the use thereof for producing a medicament, particularly for producing a medicament having an anticholinergic effect.

9. (000) (WO 2005/042527) NOVEL CRYSTALLINE ANHYDRIDE WITH ANTICHOLINERGIC EFFECT 12.05.2005 C07D 451/10 BOEHRINGER INGELHEIM INTERNATIONAL GMBH

The invention provides a novel crystalline anhydride of **tiotropium bromide**, a method for producing said anhydride and the use thereof for producing a medicament for the treatment of respiratory tract diseases, in particular, for the treatment of chronic obstructive pulmonary disease (COPD) and asthma.

### Search Summary



**tiotropium**: 185 occurrences in 45 records.

**bromide**: 929 occurrences in 594 records.

(tiotropium AND bromide): 9 records.

Search Time: 0.03 seconds.

